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INFORMATION REPORT

REPORT

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COUNTRY East Germany

DATE DISTR. 27 October 1952

SUBJECT Development of Ships' Radar Apparatus at RFT-Funkwerk Koepenick VEB

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1. On 6 March 1952 a meeting of SED members of RFT Funkwerk Koepenick VEB (Berlin-Koepenick, Wendenschloss-Str. 164/158) was held at the works.
2. At the meeting, Director Paul Boer announced that RFT Koepenick was destined to become a key plant but that no official statement would be made, in order to avoid attracting attention to the works. It was the intention of the government to expand the production program of RFT Koepenick by placing special government orders with the plant. Boer then stated that that very morning talks had taken place between government officials and the management of RFT Koepenick and that, as a result, the plant was to receive an urgent order for the construction of a radar apparatus. Boer then directed conferees to observe strict silence on the matter.

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3. [redacted] this order has now been placed with RFT Koepenick. Since sometime in March, the Ships' Radio Department has been assigned the development of a radar set. The set is understood, within the department, to be for use on ships. The apparatus is being developed under the name of "Kollisionsschutzgeraet" (anti-collision device). [redacted]

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4. The following specifications are known to the Ships' Radio Department of RFT
Koeppenick:

Work to be finished by	:	April 1952
Money allocated to development project:	:	1,600,000 DM East
Money allocated for 1952	:	300,000 DM East
Range	:	30 km.
Wave length	:	3.2 cm.
Resolution	:	3°

A rotating antenna is to be placed on the mast of the ship. It is to have

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automatic horizontal compensation. Transmitter and receiver will be in the radio room; two cathode ray tubes will be in the wheel house. At a distance of 30 km. a reflecting area of 0.5 m² must still reflect the cathode rays.

5. This project has been divided into eighteen separate assignments, each bearing a reference number. They are as follows:

- | | |
|--|---|
| (1). Antennenteil (Antrieb) | [antenna part (antenna drive mechanism)] |
| (2). Antennenteil (Richtcharakteristik) | [antenna part (antenna directional characteristic)] |
| (3). Sende-und Empfangs-Simultanschaltung | [sending and receiving (duplex assembly)] |
| (4). Energielieferung | (dummy or test lead) |
| (5). Mischkopf | (mixer converter) |
| (6). Vorverstärker | (preamplifier) |
| (7). ZF Verstärker | (intermediate frequency amplifier) |
| (8). Oszillator-Nachlauf-einrichtung | (local oscillator) |
| (9). Stromversorgung | (current supply) |
| (10). Impulszentrale | [impulse central (synchronizer)] |
| (11). Sichtgeraet | (scope or viewing device) |
| (12). Bedienungsgeraet | (tuning device) |
| (13). Tochtersichtgeraet | (remote scope or viewing device) |
| (14). Sendertaststufe | (transmitter modulator) |
| (15). Hochspannungsnetzgeraet | (high voltage net equipment) |
| (16). Gleichlauf-einrichtung | (synchronizing device) |
| (17). Mit-Einordnungseinrichtung | (accessories) |
| (18). Messleitung, Stichleitung,
2 Stueck Netzgeraete | (test lines, pulse discharge, 2 net apparatus) |

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